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a configuration process for configuring certain of the plurality of functional processes on particular ones of the logical resources; and  
a mapping process for creating a map associating the plurality of hardware resources with the plurality of logical resources.

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6. (Amended) The computer system of claim [5]1, wherein computer system is a network device and the [assignment] configuration process is a network management system process.

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10. (Amended) The computer system of claim [5]1, wherein the functional processes include device driver processes.

11. (Amended) The computer system of claim [5]1, wherein the functional processes include network protocol applications.

21. (New) The method of operating a computer system, comprising:  
configuring a process on a logical resource; and  
applying the configured logical resource to a physical resource.

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22. (New) The method of claim 21, further comprising:  
applying the configured logical resource to another physical resource.

23. (New) The method of claim 21, further comprising:  
detecting a fault on the physical resource;  
failing over from the physical resource to a second physical resource; and  
applying the configured logical resource to the second physical resource.

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24. (New) The method of claim 21, further comprising:  
detecting an event within the computer system; and  
applying the configured logical resource to a second physical resource.
25. (New) The method of claim 24, wherein the event includes a resource consumption notification.
26. (New) The method of claim 24, wherein the event includes a fault.
27. (New) The method of claim 21, wherein the process comprises a first process, the logical resource comprises a first logical resource and the physical resource comprises a first physical resource and further comprising:  
configuring a second process on a second logical resource; and  
applying the configured second logical resource to a second physical resource.
28. (New) The method of claim 27, wherein the first and second processes are the same process.
29. (New) The method of claim 27, wherein the first and second processes are different processes.
30. (New) The method of claim 27, wherein the first and second logical resources are the same logical resource.
31. (New) The method of claim 27, wherein the first and second logical resources are different logical resources.

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32. (New) The method of claim 27, wherein the first and second hardware resources are the same hardware resource.

33. (New) The method of claim 27, wherein the first and second hardware resources are different hardware resources.

34. (New) The method of claim 21, wherein configuring a process on a logical resource comprises:  
filling in a field in a table in a configuration database.

35. (New) The method of claim 21, wherein configuring a process on a logical resource comprises:  
filling in a plurality of fields in a plurality of tables in a configuration database.

36. (New) The method of claim 35, wherein the plurality of tables comprise an application group table.

37. (New) The method of claim 35, wherein the plurality of tables comprise an application interface table.

38. (New) The method of claim 35, wherein the plurality of tables comprise a service end point table.

39. (New) The method of claim 21, wherein applying the configured logical resource to the physical resource comprises:  
assigning a logical identifier to the physical resource.

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40. (New) The method of claim 39, wherein applying the configured logical resource to the physical resource further comprises:  
filling in a field in a table in a configuration database.

41. (New) The method of claim 40, wherein the table comprises a logical to physical card table.

42. (New) The method of claim 21, wherein the logical resource represents a physical hardware module and the physical resource comprises the physical hardware module.

43. (New) The method of claim 42, wherein the physical hardware module comprises a card.

44. (New) The method of claim 43, wherein the card comprises a line card.

45. (New) The method of claim 43, wherein the card comprises a physical card.

46. (New) The method of claim 21, wherein the physical hardware module comprises a board.

47. (New) The method of claim 46, wherein the board comprises a central processing board.

48. (New) The method of claim 21, wherein the logical resource represents a physical port on a forwarding card and the physical resource comprises the physical port on the forwarding card.

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49. (New) The method of claim 48, wherein the logical resource comprises a service endpoint and the physical port comprises a port on a forwarding card.

50. (New) The method of claim 21, wherein the logical resource comprises a logical identifier.

51. (New) The method of claim 21, wherein the computer system comprises a network device.

52. (New) The method of claim 51, wherein configuring the process on the logical resource comprises:

configuring network connectivity on the logical resource.

configuring a process on a logical resource; and

applying the configured logical resource to a physical resource.

53. (New) The method of claim 21, further comprising:

adding the physical resource to the computer system, wherein applying the configured logical resource to the physical resource is delayed until the physical resource is added to the computer system.

54. (New) The method of claim 21, wherein configuring a process on a logical resource comprises:

configuring a plurality of processes on a plurality of logical resources; and

wherein applying the configured logical resource to a physical resource comprises:

applying the configured plurality of logical resources to a plurality of physical resources.

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